

Form PTO-1449 (Modified)

U.S. Department of Commerce  
Patent and Trademark Office

Atty. Docket No.

28111/32106B

Serial No.

09/196 673

**RECEIVED****INFORMATION DISCLOSURE STATEMENT**

Applicant

McCafferty et al.

Filing Date

11/20/98

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**U.S. PATENT DOCUMENTS**

*Examiner Initials		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
PP	A8	5,258,289	11/02/93	Davis et al.	435	69.6	
	A9	5,567,610	10/22/96	Borrebaeck et al.	435	240.2	
	A10	5,580,717	12/03/96	Dower et al.	435	5	
	A11	5,698,426	12/16/97	Huse	435	172.3	
	A12	5,780,225	07/14/98	Wigler et al.	435	6	
	A13	5,814,476	09/29/98	Kauffman et al.	435	69.1	
	A14	5,837,500	11/17/98	Lader et al.	435	69.7	
	A15	5,840,479	11/24/98	Little et al.	435	5	
	A16	5,855,885	01/05/99	Smith et al.	424	130.1	
	A17	5,885,793	03/23/99	Griffiths et al.	435	69.1	
	A18	5,935,823	08/10/99	Fowlkes et al.	435	69.7	
	A19	5,948,635	09/07/99	Kay et al.	435	69.1	
	A20	5,955,358	09/21/99	Huse	435	328	

**FOREIGN PATENT DOCUMENTS**

*Examiner Initials		Document Number	Publication Date	Country	Class	Subclass	Translation	
							Yes	No
PP	B18	GB 91/25579.4	12/02/91	U.K.			✓	
	B19	GB 91/25582.8	12/02/91	U.K.			✓	
	B20	WO 92/01047	01/23/92	WIPO			✓	

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**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, etc.)

pp	C101	Abbas et al., "Cellular and Molecular Immunology," Saunders, Third Edition, p. 412 (1997).
	C102	Alberts et al., "Molecular Biology of the Cell," Garland Publications, Third Edition, p. 96 (1994).
	C103	Avrameas and Ternynck, "Natural Antibodies," in Delves, P., and I. Roitt, <i>The Encyclopedia of Immunology</i> , Second Edition, Academic Press, pp. 1806-1809 (1998).
	C104	Barbas et al., "Combinatorial Immunoglobulin Libraries on the Surface of Phage (Phabs): Rapid Selection of Antigen Specific Fabs," <i>Methods: Companion Methods Enzymol.</i> , 2:119 (1991).
	C105	Barbas et al., "Assembly of Combinatorial Antibody Libraries on Phage Surfaces: The Gene III Site," <i>Proc. Natl. Acad. Sci. (USA)</i> , 88:7978-7982 (1991).
	C106	Beidler et al., "Cloning and High Level Expression of a Chimeric Antibody with Specificity for Human Carcinoembryonic Antigen," <i>J. Immunology</i> , 141:4053-4060 (1988).
	C107	Berborowicz and Jaroszewski, "Carcinoembryonic Antigen as an Autoantigen," <i>Immunol. Ser.</i> , 52:65-83 (1982).
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	C109	Boerner et al., "Production of Antigen-Specific Human Monoclonal Antibodies From In Vitro-Primed Human [Splenocytes]," <i>J. Immunol.</i> , 147:86-95 (1991).
	C110	Breitling et al., "A Surface Expression Vector for Antibody Screening," <i>Gene</i> , 104:147-153 (1991).
✓	C111	Burton et al., "A Large Array of Human Monoclonal Antibodies to Type 1 Human Immunodeficiency Virus from Combinatorial Libraries of Asymptomatic Seropositive Individuals," <i>Proc. Natl. Acad. Sci.</i> , 88:10134-10137 (1991).

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pp	C112	Casali and Notkins, "Probing the Human [B-Cell] Repertoire with EBV: Polyreactive Antibodies and CD5+ B Lymphocytes," <i>Ann. Rev. Immunol.</i> , 7:513-535 (1989).
	C113	Chang et al., "Expression of Antibody Fab Domains on Bacteriophage Surfaces: Potential Use of Antibody Selection," <i>J. Immunol.</i> , 1047:3610-3614 (1991).
	C114	Chothia et al., "Structural Repertoire of the Human Vh Segments," <i>J. Molec. Biol.</i> , 227:799-817 (1992).
	C115	Clackson et al., Making Antibody Fragments Using Phage Display Libraries," <i>Nature</i> , 352:624-628 (1991).
	C116	Cohen, P.L., "Systemic Autoimmunity," in Paul, W., <i>Fundamental Immunology</i> , Fourth Edition, Lippincott-Raven, p. 1608 [1067].
	C117	Delves, P.J., "Autoimmunity," in Delves, P. and I. Roitt, <i>The Encyclopedia of Immunology</i> , Second Edition, Academic Press, p. 292 (1998).
	C118	Dighiero et al., "Naturally Occurring Autoantibodies Against Nine Common Antigens in Human Sera," <i>J. Immunol.</i> , 218[128]:2788-2792 (1982).
	C119	Fomsgaard et al., "Auto-antibodies to Tumor Necrosis Factor in Healthy Humans and Patients with Inflammatory Diseases and Gram-Negative Bacterial Infections," <i>Scand. J. Immunol.</i> , 30:219-223 (1989).
	C120	Golub, E., and Green, D., "Immunology: A Synthesis," Sinauer Associates, Second Edition, p. 531 (1991).
	C121	Golub, E., "The Limits of Medicine: How Science Shapes our Hope for the Cure," Times Books/Random House, p. 117-120 (1994).
	C122	Goodnow et al., "Altered Immunoglobulin Expression and Functional Silencing of Self-Reactive B Lymphocytes in Transgenic Mice," <i>Nature</i> , 334:676-682 (1988).
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	C127	Hartman and Wright, "Identification of Autoantibodies Specific for the Neutrophil Adhesion Glycoproteins CD11b/CD18 in Patients with Autoimmune Disease [Neutropenia]," Blood, 78:1096-1104 (1991).
	C128	Hirohata et al., "Frequency Analysis of Human Peripheral Blood B Cells Producing IgM-Rheumatoid Factor," J. Immunol., 145:1681-1686 (1990).
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	C130	Hoogenboom et al., "Multi-subunit Proteins on the Surface of Filamentous Phage: Methodologies for Displaying Antibody (Fab) Heavy and Light Chains," Nucl. Acids Res., 19:4133-4137 (1991).
	C131	Huse, "Combinatorial Antibody Expression Libraries in Filamentous Phage," Chapter 5 of <i>Antibody Engineer</i> , Borrebaeck (ed.), W.H. Freeman and Co. N.Y. (1992).
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✓	C134	Klein and Horejsi, "Immunology" [Chapter 20, "Immunological Tolerance"], Blackwell Scientific, Second Edition, p. 527 (1997).

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pp	C135	Koga et al., "Mouse-Human Chimeric Monoclonal Antibody to Carcinoembryonic Antigen (CEA): In Vitro and In Vivo Activities," Hybridoma, 9:43-56 (1990).
	C136	Landsteiner, K., "The Specificity of the Immune Response," quoted in Golub, E., <i>Immunology: A Synthesis</i> , Sinauer Associates, p. 19-25, [1991 book] (1987).
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	C144	Nossal, G.V.J., "Cellular Mechanisms of Immune[ologic] Tolerance," Ann. Rev. Immunol., 1:33-62 (1983).
✓	C145	Nossal, G.V.J., "Molecular and Cellular Aspects of Immunologic Tolerance," Eur. J. Biochem., 202:729-737 (1991).

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pp	C146	Neumaier et al., "Cloning of the Genes for T84.66, an Antibody That Has a High Specificity and Affinity for Carcinoembryonic Antigen, and Expression of Chimeric Human/Mouse T84.66 Genes in Myeloma and Chinese Hamster Ovary Cells," <i>Cancer Research</i> , 50:2128-2134 (1990).
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	C149	Smith et al., "Phage Display," <i>Chem. Rev.</i> , 97:391-410 (1997).
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	C154	Wilson and Stanfield, "Antibody-antigen Interactions: New Structures and New Conformational Changes," <i>Curr. Opin. Structural Biol.</i> , 4:857-867 (1994).
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	<del>C156</del>	<del>Complaint filed 4/23/99</del>
	<del>C157</del>	<del>First Amended Complaint filed 5/6/99.</del>

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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

<del>_____</del>	<del>C158</del>	<del>Defendant Cambridge Antibody Technology, Limited's Motion to Dismiss Plaintiff MorPhosys AG's Complaint filed 6/8/99.</del>
<del>_____</del>	<del>C159</del>	<del>Response of Plaintiff MorphoSys AG to Cambridge Antibody Technology Ltd.'s First Set of Interrogatories and Request for Production of Documents and Things filed 10/18/99.</del>
<del>_____</del>	<del>C160</del>	<del>Plaintiff's Supplemental Answer to Interrogatory No. 2</del>
<del>_____</del>	<del>C161</del>	<del>Response of Plaintiff MorphoSys AG to Cambridge Antibody Technology Ltd.'s First Set of Interrogatories and Request for Production of Documents and Things filed 3/27/00.</del>
<del>_____</del>	<del>C162</del>	<del>Response of Plaintiff MorphoSys AG to Cambridge Antibody Technology Ltd.'s Second Set of Interrogatories filed 7/3/00.</del>
<del>_____</del>	<del>C163</del>	<del>Response of MorphoSys AG to Cambridge Antibody Technology's Third Set of Interrogatories filed 8/14/00.</del>
<del>_____</del>	<del>C164</del>	<del>Declaration Of Edward S. Golub, Ph.D. In Support Of MorphoSys' Motion For Partial Summary Judgment of Noninfringement filed 9/1/00.</del>
<del>_____</del>	<del>C165</del>	<del>Edward S. Golub, Ph.D. Curriculum Vitae.</del>
<del>_____</del>	<del>C166</del>	<del>Expert Report of Edward S. Golub, Ph.D. dated 6/00 (with Exhibit 1 E.S. Golub Curriculum Vitae Exhibit 2 E.S. Golub Validity Report and Exhibit 3 Declaration of E.S. Golub regarding Immunological Concepts).</del>
<del>_____</del>	<del>C167</del>	<del>Rebuttal Expert Report of Edward S. Golub, Ph.D.</del>
<del>_____</del>	<del>C168</del>	<del>Reply of Edward S. Golub, Ph.D. to Rebuttal Expert Reports of Edward P. Cohen, M.D. and Ronald H. Jackson, Ph.D. dated 08/01/00.</del>
<del>_____</del>	<del>C169</del>	<del>Declaration Of Carlos F. Barbas III, Ph.D. In Support Of MorphoSys' Motion For Partial Summary Judgment Of Noninfringement filed 9/1/00.</del>
<del>_____</del>	<del>C170</del>	<del>Carlos F. Barbas III, Ph.D. Curriculum Vitae.</del>
pp	C171	Roitt et al., Immunology, Second Edition, 1989, Ivan Roitt et al., Gower Publishing, New York, p.5.1 (1989). <i>pages - -</i>

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